

Storytelling – University of East Sarajevo, BiH



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Roadmap

1. Bosnia and Herzegovina (Republic of Srpska)
2. University of East Sarajevo
3. Projects



BOSNIA AND HERZEGOVINA

The heart-shaped land



General information:

Bosna i Hercegovina

Босна и Херцеговина

Bosnia and Herzegovina



General information:

- **Area :** 51.129 km²
- **Location:** Bosnia and Herzegovina is a country on the Balkan peninsula of South Eastern Europe
- **Neighbouring countries:** Serbia and Montenegro in the east, Croatia in the north, west and south



General information:

Population : 4,613,414

- **Population structure** : three ethnic groups, so-called “constituent peoples”:
 - Serbs 37%
 - Bosniaks 48%
 - Croats 14%
- **Official languages** : Bosnian, Croatian and Serbian
- **Official currency** : Convertible mark (KM)
- **Climate**: Inland – Continental; Southern tip – Mediterranean
- **Capital city**: Sarajevo

History preview

Bosnia and Herzegovina (BH) is the crossroad of eastern and western civilizations

- BH is influenced by three different cultures:
 - **Slavic** (because of the origin)
 - **Turkish** (Ottoman period)
 - **Austro-Hungarian** (western influence)

History

BH has been inhabited (at least) since the Neolithic age (14 – 12000 BC)



- Byzantine Illyria (Slavic tribe) – 800 BC
- Romans, Huns, Ostrogoths,...

History

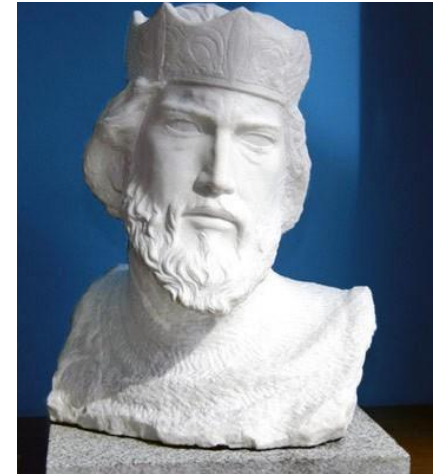
Ban Borić (1154 - 1164.) - first Bosnian monarch

- **Kulin ban** - *The charter of ban Kulin* to the Republic of Ragusa (Dubrovnik) from 29. August 1189. is oldest preserved Bosnian monument (written in bosančica)



History

Tvrtko I – first Bosnian King (14th century)



History

Stećak is an unique gravestone with inscriptions and drawings that are old witnesses of BH history and can be found all around the country.



History

The arrival of **Ottoman Empire** in 1463. brings a new culture

- The Ottoman Empire dominated BH for more than 400 years (from 1463. until 1878.)
- Influence of Turkish tradition can be seen in the architecture, cuisine, literature and music
- Old Bridge, Beg's Mosque, The Bridge over the Drine etc.
- Sebilj fountain – well known as a “trade-mark” of Sarajevo

Ottoman Architecture

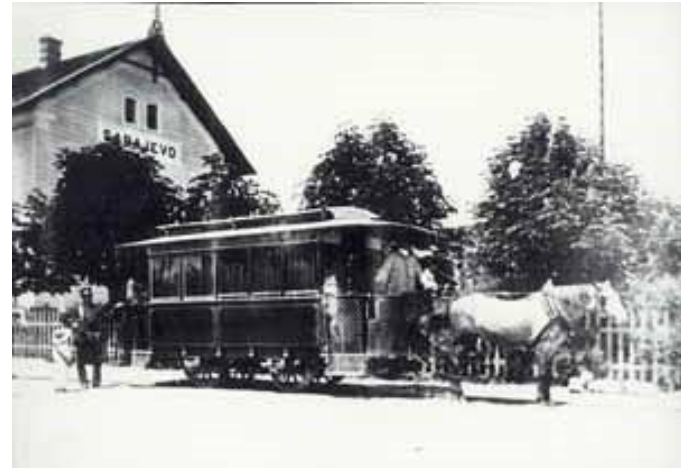


History

1878 – 1914. Domination of the **Austro-Hungarian Monarchy** in BH

- Western influence (literature, culture)
- Architecture (City Hall – 1896., Cathedral – 1884., Art Academy 1898. etc.)
- Railway
- Electrification
- Sarajevo had the first tram in Europe (1884.), even before Berlin and Paris

Austro-Hungarian Architecture



History

The assassination of Franz Ferdinand in Sarajevo was an event that caused the beginning of World War I – 1914.

- 1918. BH became a part of **Kingdom of Yugoslavia**
- After World War II BH was one of the 6 republics of SF Yugoslavia
- With **proclamation of autonomy** of BH (1992.) began the war and it lasted 4 years
- War was finished with the Dayton Peace Accord (1995.)



Modern architecture



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Religion

Rich history is reflected in the variety of religious

- Great number of sacred memorials and monuments
- Muslims, Orthodox, Catholics and Jews live together
- Four houses of prayer congregated within one city block



Religion



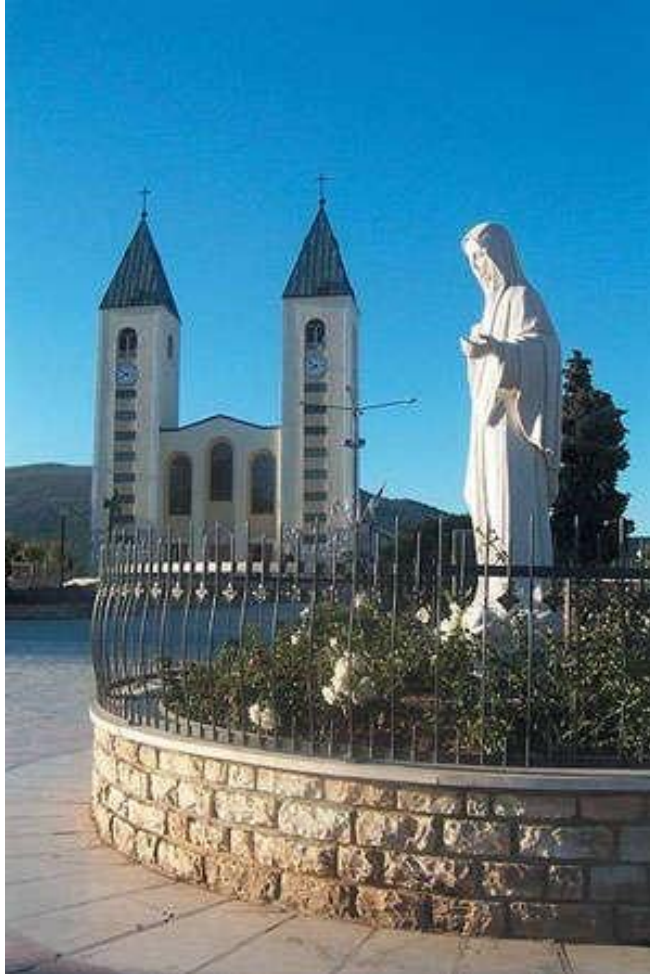
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Religion



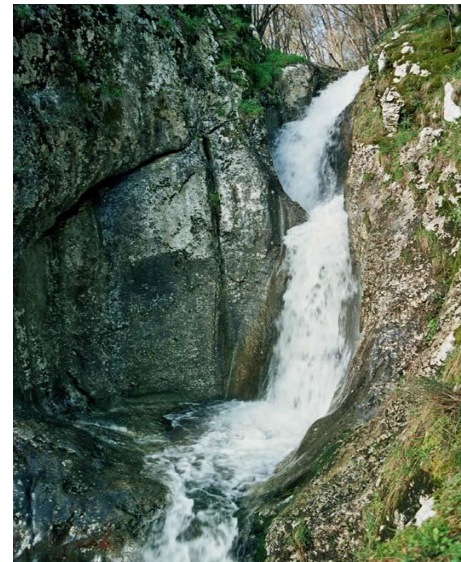
Nature & wildlife

Endemic plants and animals

- Mountains, rivers, waterfalls, forests
- **National parks –**
Sutjeska, Kozara and Una
- Only European rainforest - *Perućica*



Nature & wildlife

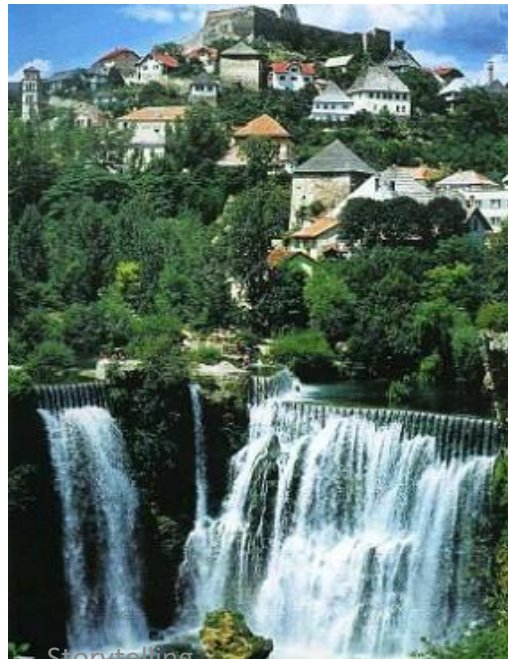


Nature & wildlife

Nature parks –
Hutovo blato and
Blidinje



Nature & wildlife



Art, culture and tradition

- Traditional handwork, music and folklore
- Rich multicultural heritage



- **Sevdalinka** (sevdah = love, desire) is a famous traditional Bosnian urban love song which has some elements of Oriental music

Art, culture and tradition



Vladimir Prelog – Nobel Prize
for chemistry



Ivo Andrić – Nobel Prize
for literature



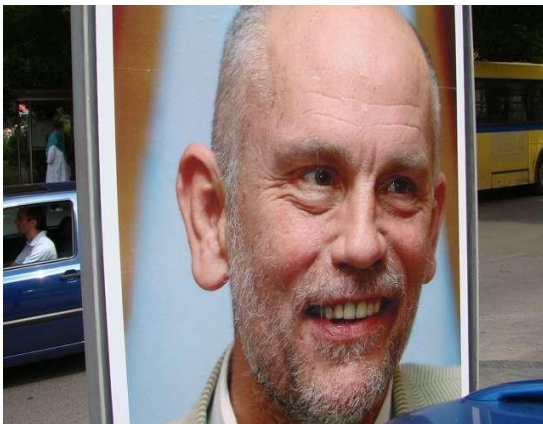
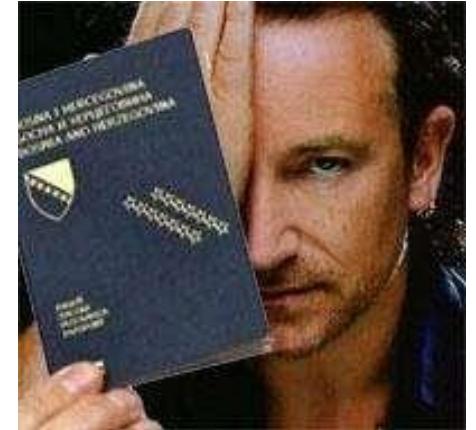
Danis Tanović – Oscar winner



Jasmila Žbanić – Golden Bear
winner

Art, culture and tradition

SFF (Sarajevo film festival)



Art, culture and tradition

- Ten more art festivals are being held every year only in Sarajevo

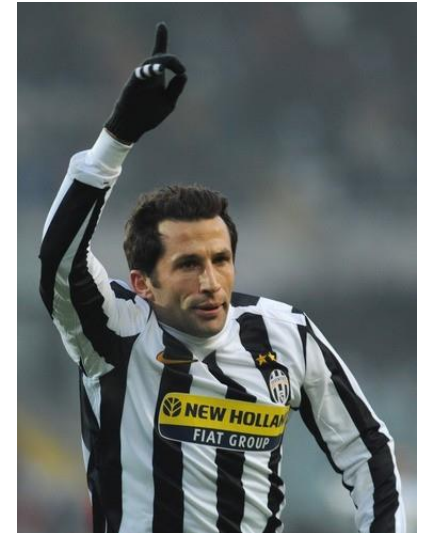


Traditional food

- Turkish influence
- Local dishes are : dolmas, sarma, Bosnian pie, soups
- Great specialty - ćevapčići
- Traditional Bosnian coffee is similar to Turkish coffee
- Long tradition of making wines and alcohol



Sports



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Sports



Sports

Winter Olympic games were held in Sarajevo



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Bosnian Pyramid or just a hill?



Roadmap

1. Bosnia and Herzegovina (Republic of Srpska)
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University profile



Organizational units at 10 university centers:

1. Academy of Fine Arts
2. Faculty of Economics Brcko
3. Faculty of Economics Pale
4. Faculty of Electrical Engineering
5. Faculty of Mechanical Engineering
6. Faculty of Medicine
7. Music Academy
8. Faculty of Pedagogy
9. Faculty of Agriculture
10. Faculty of Law
11. Faculty of Ortodox Theology
12. Faculty of Traffic Engineering
13. Faculty of Tehnology
14. Faculty of Bussines Economics
15. Production and Management Faculty
16. Faculty of Physical Education and Sports
17. Faculty of Philosophy



University of East Sarajevo (UES)

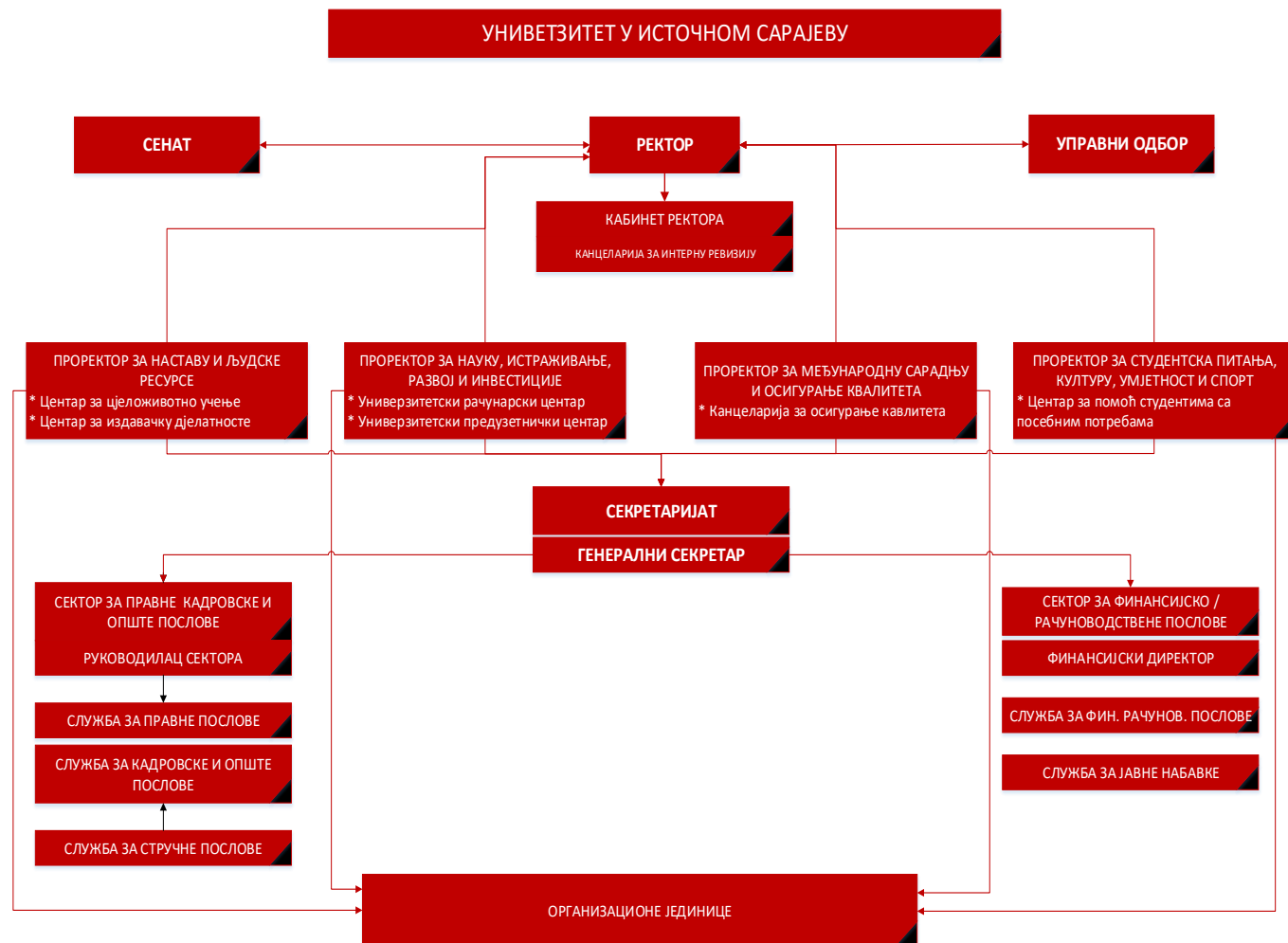


- The European Commission has awarded the University of East Sarajevo a logo of excellence in research (HR Excellence in Research) whereby UES is included in a group of European universities that have a certificate of quality in scientific research and who want to ensure a quality business environment for their researchers.
- Recognized as one of the universities engaged in scientific research and artistic work and have a lot of results behind, and plans to significantly improve and adhere to the EHEA (European Higher Education Area).



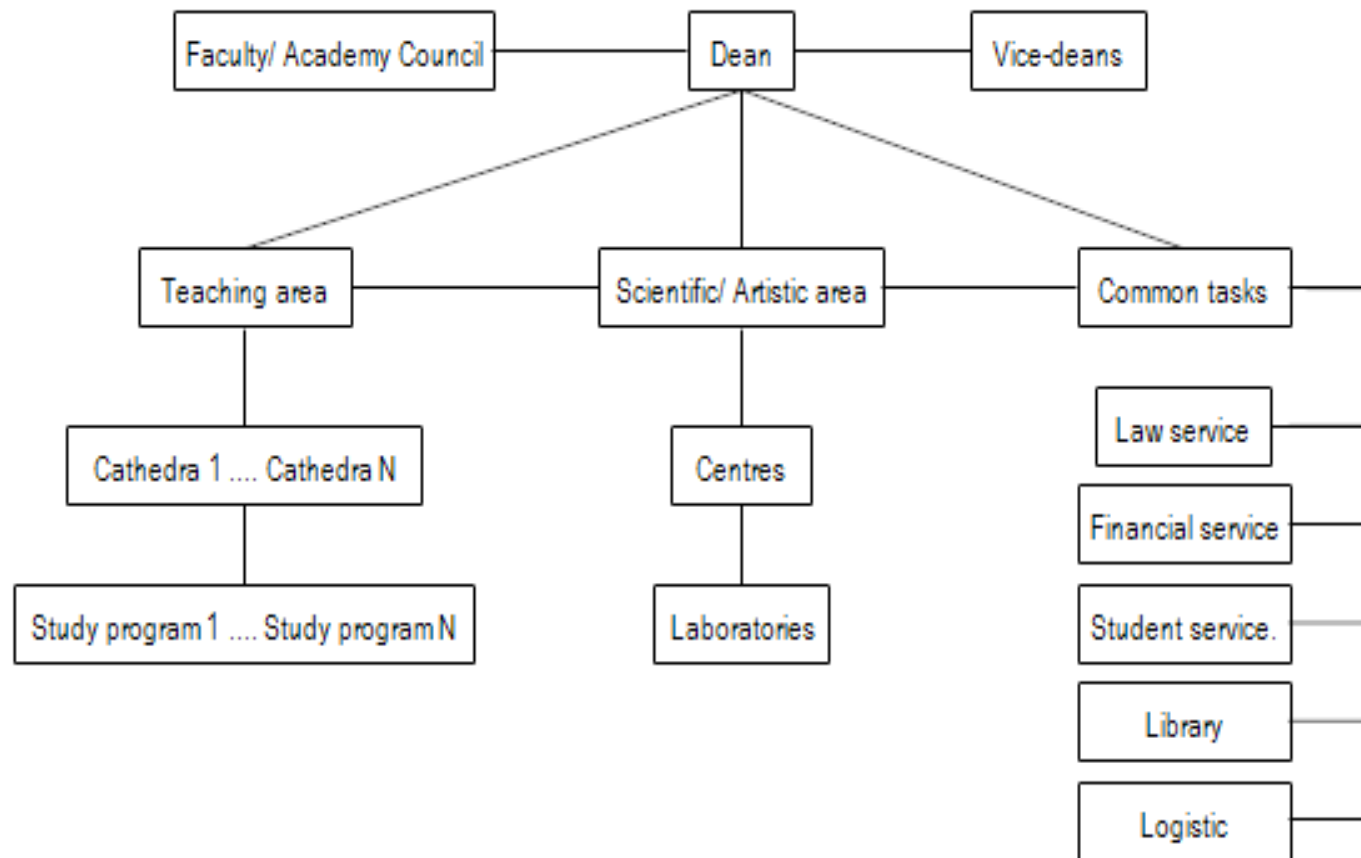
HR EXCELLENCE IN RESEARCH

University profile



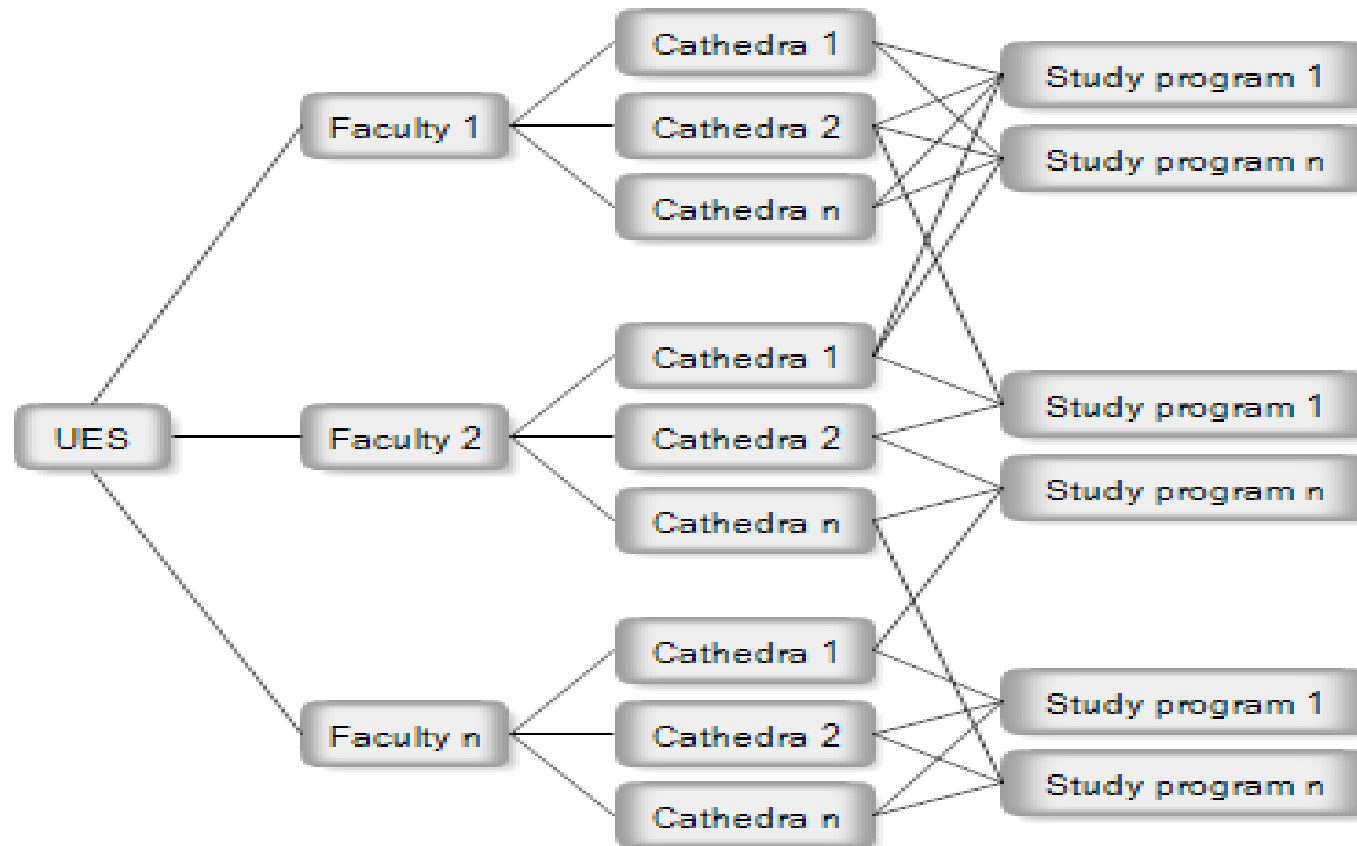
University profile

- Organizational chart of Faculties/Academy



University profile

- University – Faculties and Academies – Cathedra – Study programs



University profile

- **Mission (our goal... why are we here?)**

Our mission is to provide intellectual and stimulating environment for learning, research and the art of making a contribution to the social, economic and cultural progress in line with the projected regional and international development.

- **Vision (where we strive to be in the future?)**

Our vision is to be recognized at the regional and international level through excellence in teaching, research and the arts.

- **Values (what we stand for?)**

INTEGRITY – RESPONSIBILITY – PARTNERSHIP – COLLEAGUES –
EXCELLENCE – INNOVATION – CREATIVITY – EQUALITY – CARE
ENVIRONMENT

Students' success

- Nemanja Majdov – World Winner – Judo – 90 kg – World Cup 2017. - Budapest
- Aleksandar Nikolic – World Winner – International Accordeon Trophee 2013. - Samara
- Tanja Karišik – participated 3 times at Winter Olympic Games in Biatlon and skiing.



University in numbers

Number of students: 11 000

Number of teaching staff: 950

Number of administrative staff: 450

Study programs I cycle: 56

Study programs II cycle: 47

Study programs III cycle: 10

Graduated students I cycle: 16 000

Graduated students II cycle: 1100

Graduated students III cycle: 400

Laboratories: 40

Research centers: 8

Literature: 160 000 books



Programs

Arts:

- Fine Arts
- Music



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HUMANITIES:

Sports and Physical Education, Philosophy, Educational Sciences, Orthodox Sciences, Languages (Chinese, Russian, Serbian)



HEALTH SCIENCES:

Health, Medicine, Dental Medicine



NATURAL SCIENCES:

Agriculture, Mathematics, Forestry, Tehnology



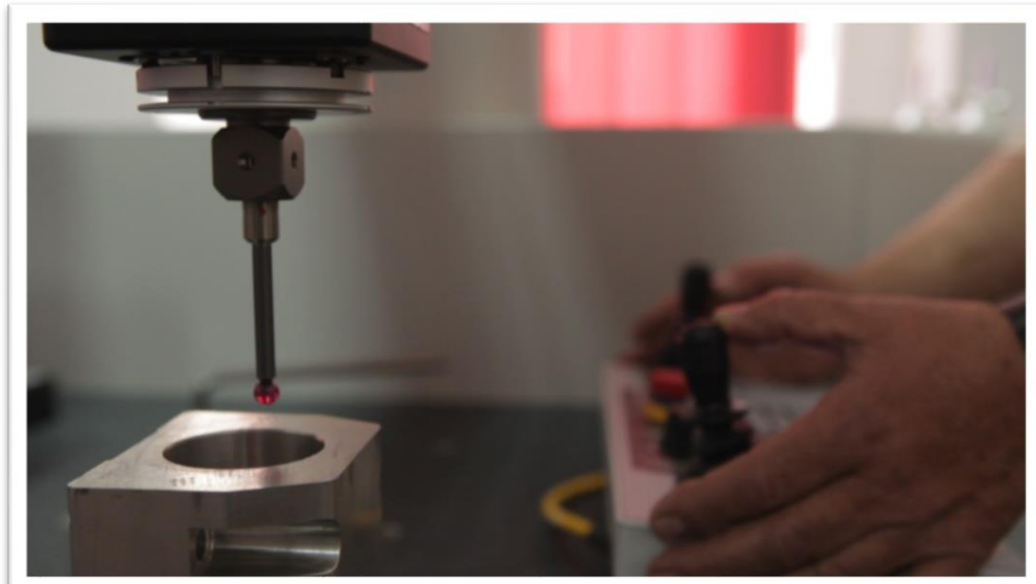
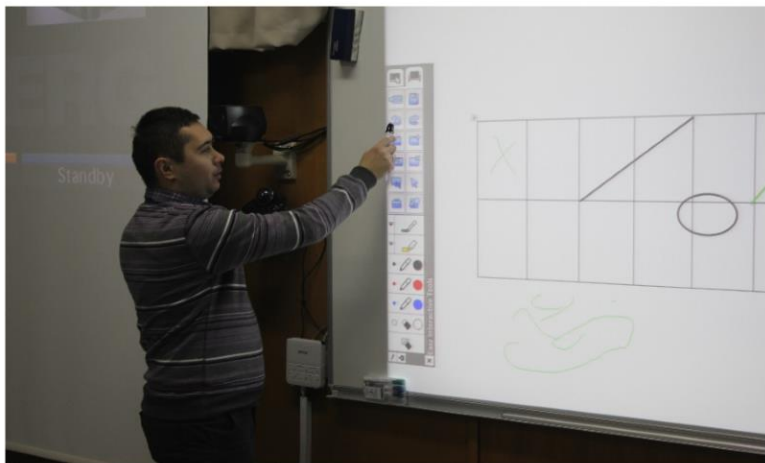
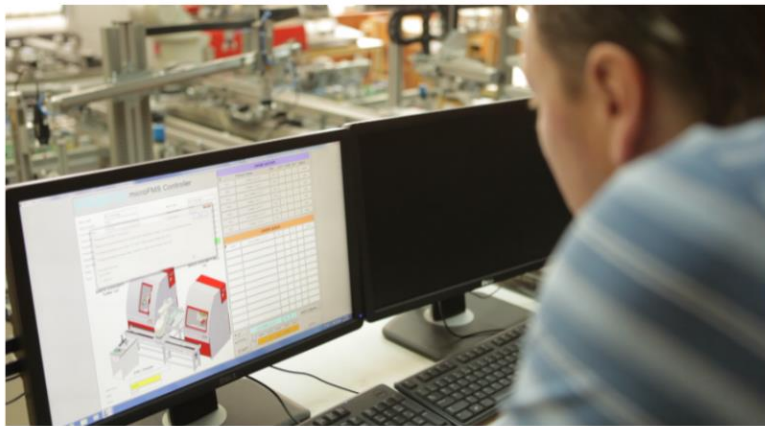
SOCIAL SCIENCES:

Economics and Business, Politics, Law



TECHNICAL SCIENCES:

Electrical Engineering, Transport and Communication, Mechanical Engineering



About 20 conferences and festivals



Istočno Sarajevo, 15 - 17. juni 2016.

organizuju:
Univerzitet u Istočnom Sarajevu
Muzička akademija
Asocijacija za njegovanje akademske muzike "Novi zvuk"



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Mobility at UES

- Erasmus Mundus
- Tempus
- Ceepus
- Bilateral
- Fulbright
- DAAD
- Erasmus + (about 10 KA1 agreements)
- Over 140 agreements with universities



2015	IN – 8
	OUT – 15
	TOTAL – 23
2016	IN – 24
	OUT – 18
	TOTAL – 42
2017	IN – 24
	OUT – 78
	TOTAL – 102

International projects at UES

- Over 60 international projects implemented (Tempus, IPA, FP9, Erasmus+, Horizon 2020)
- At this moment we have 8 Erasmus+ KA2 projects and two Horizon 2020 projects.
- REBUS, SHEQA, BIHTEK, TRANS2WORK, STINT, BHQFHE, CCNURCA, QIMSEE, ONEHEALTH, WIMB, AGRIBASE,...
- We are proud to present:
 - Evaluation of current situation in B&H about internationalisation system, recognition mechanisms and identification areas for changes and improvement
 - Development institutional internationalisation strategies and indicators, and B&H recognition model
 - Modernisation of each B&H university through strengthening international and students' offices, implementation of pilot activities and trainings of human resources of B&H partners
 - Development of criteria for assessing internationalisation on the university and study program level



Laboratories and equipment


R&D potentials

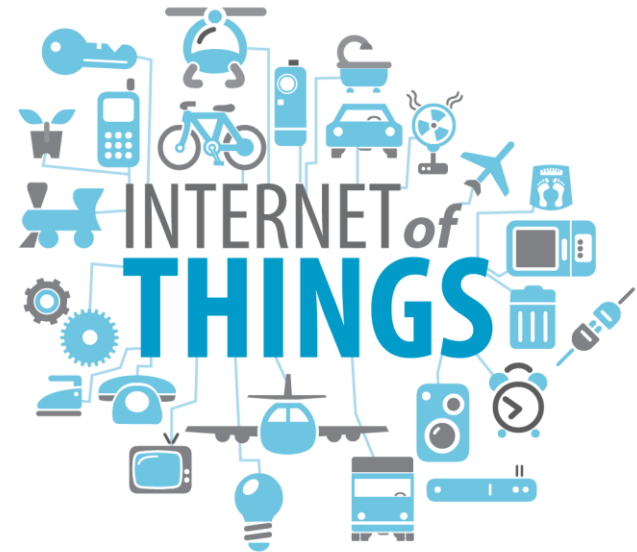
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Detection of anomalies in computer networks

- Critical services depending on the Internet have been steadily increasing and, hence, anomalous events and their effects are having increasing economic consequences.
 - Determining the anomalous events and their causes is an important step needed for assessing loss of data and connectivity.
 - Machine learning techniques are useful in
 - this domain.
- 



Short- term load forecasting

- Electricity distribution companies are faced with the requirements for reliable and quality electricity supply for all users with a parallel requirement for service improvement.
- Accurate models for electric power load forecasting are essential to the operation and planning of a utility company, especially during the electricity market evolving trend of daily changes in price of electricity and liberalization of the electricity sector.
- We continuously work on evaluating the effectiveness of machine learning techniques for short-term electricity load forecasting.

City of Sarajevo

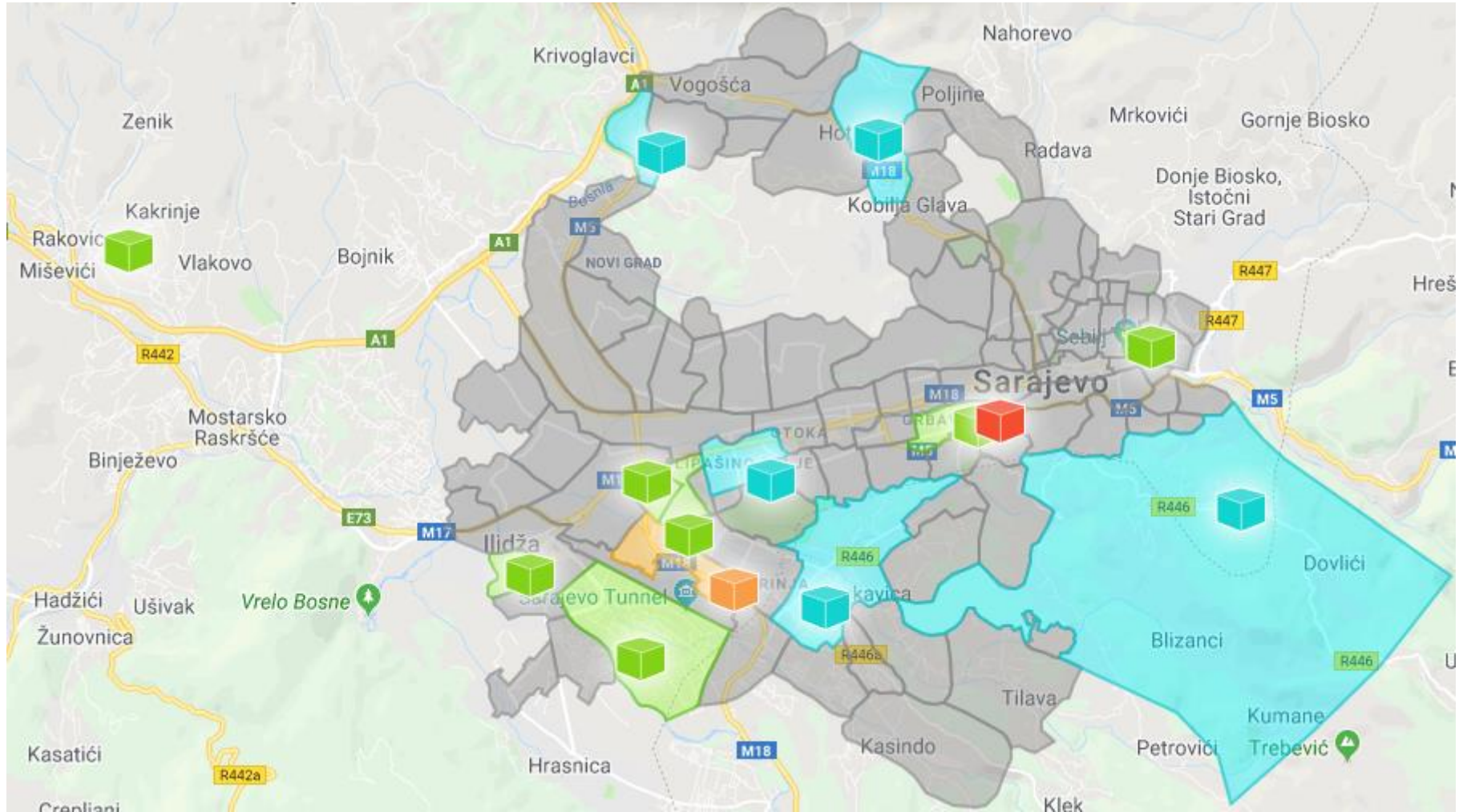


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Air pollution forecasting

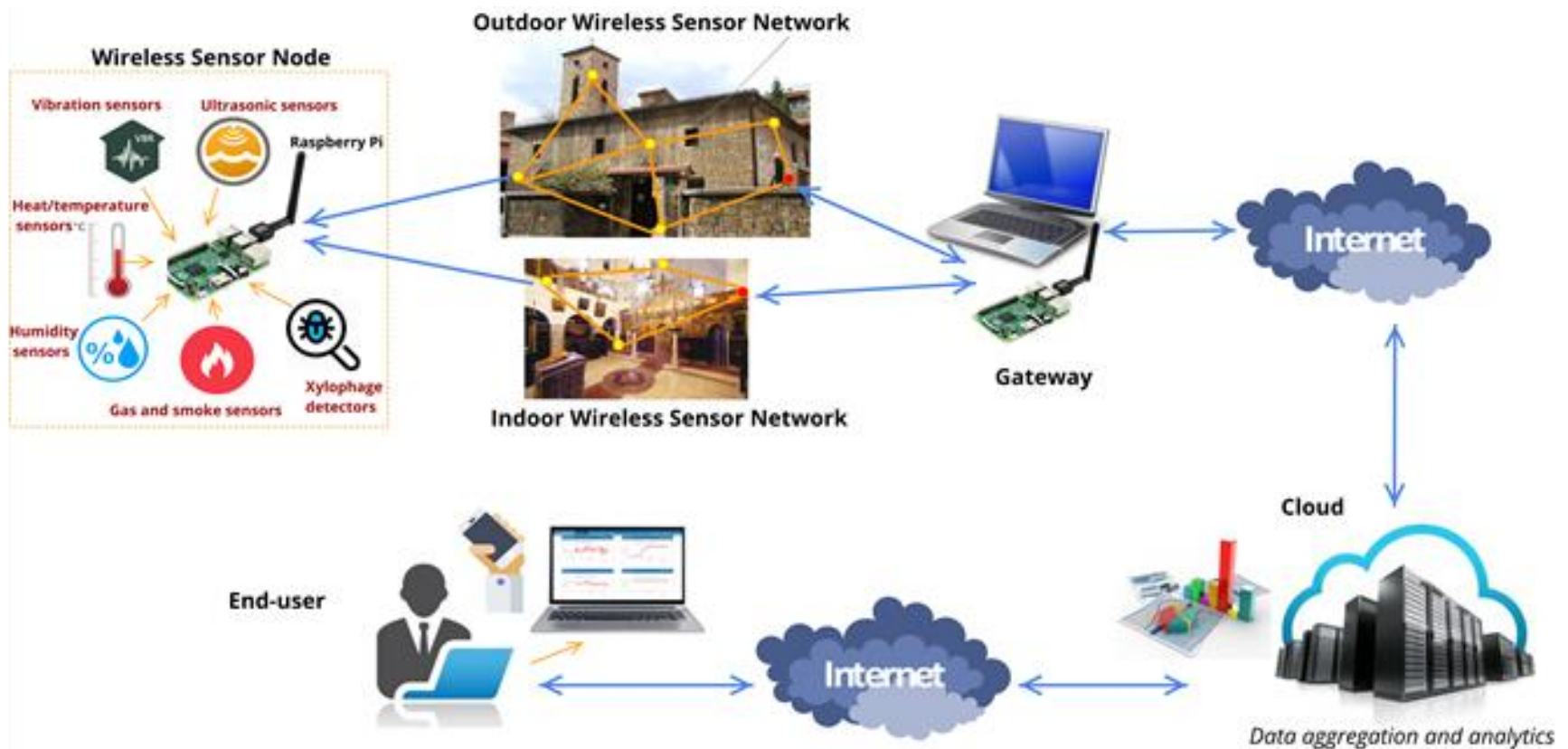
- In recent years, peaks of **winter pollution** have become increasingly frequent in Bosnia and Herzegovina.
- The causes of pollution in BiH are artificial and very diverse.
- Machine learning techniques are proving useful for air pollution forecasting.

CityOS Air Story



Cultural Heritage Preservation Story

- A Remote Monitoring and Control System for Cultural Heritage Buildings Utilizing Wireless Sensor Networks



Welcome to Bosnia and Herzegovina

